

ASSET MANAGEMENT OVERVIEW

TRANSPORTATION ASSET MANAGEMENT

“Asset management is a systematic process of maintaining, upgrading and operating physical assets cost-effectively.”

AASHTO/FHWA

At the Michigan Department of Transportation (MDOT), asset management is simply an efficient and cost-effective way of strategically targeting our resources. While the process employed takes various forms, virtually all of them have these components in common:

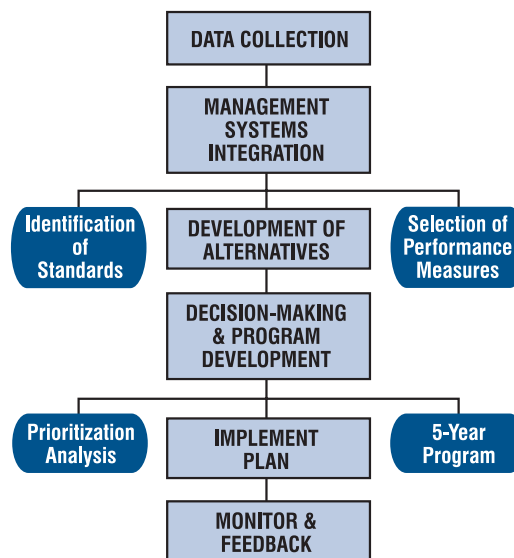
- A strategic plan
- Performance measures, standards & benchmarks
- Alternative analyses procedures
- Data collection
- Use of management systems
- Implementation of the program
- Monitoring and reporting results

MDOT has incorporated these elements into five fundamental components of sound management:

- Policy Goals & Objectives
- Information & Data Collection
- Planning and Programming
- Program Delivery
- Monitoring & Reporting

Asset management is an ongoing process within MDOT. With advancements in technology, we can better collect and process information and data.

Development of our management systems, geographic information systems (Framework), global positioning and life cycle cost analyses have allowed MDOT to become strategically-oriented. We have developed strategic goals on a system-wide basis. By using tools such as performance measures, the Road Quality Forecast System and our prioritization process, we continue developing annual programs and projects targeted toward achieving our system-wide goals.



OVERVIEW



ASSET MANAGEMENT CONTACTS

Who To Contact

For further information on the Michigan Department of Transportation's Asset Management Program, please contact the appropriate person from the list below, or send an e-mail to: assetmgt@michigan.gov

MDOT Web Site

www.michigan.gov/mdot

Then click on ***Projects and Programs***

Then click on ***Asset Management***

Asset Management Process

General Information

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Asset Management Council

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Development of Strategic Plans

State Long-Range Plan

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Transportation Policy Plan

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Data Collection

Michigan Geographic Framework

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Global Positioning/Geographic Info Systems

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Traffic Data

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Use of Management Systems

Transportation Management System

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Bridge Management System

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Pavement Management System

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Public Transportation Management System

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Safety Management System

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Congestion Management System

Intermodal Management System

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Alternative Analyses Procedures

Road Quality Forecasting System

Prioritization Process

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